

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID E. SIMMEN	09/20/2000
<b>RECEIVING PARTY DATA</b>	
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<b>Property Type</b>	<b>Number</b>
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<b>SIGNATURE:</b>	/Alicia Brooks/
<b>DATE SIGNED:</b>	08/03/2016
<b>Total Attachments: 1</b>	
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ASSIGNMENT

Docket No. ST9-99-184

INVENTOR  
AND CITY

Whereas, I

(1) David E. Simmen  
County of Santa Claraof San Jose,  
and State of California

has invented certain improvements in

TITLE

A QUERY OPTIMIZATION TECHNIQUE FOR OBTAINING IMPROVED CARDINALITY ESTIMATES  
USING STATISTICS ON AUTOMATIC SUMMARY TABLESDATE THAT  
INVENTOR  
SIGNED THE  
DECLARATION

and executed, respectively, a United States patent application therefor on

(1) 10/21/2000, 2000.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed

CITY

(1) at San Jose, CA

SIGNATURE

DATE

on 10/21/2000, 2000

David E. Simmen

INVENTOR